National Climatic Data Center

DATA DOCUMENTATION

FOR

DATA SET 3341 (DSI-3341)
HOURLY PRECIPITATION DATA:
SPECIAL ASOS NETWORK - INVENTORY

March 21, 2003

National Climatic Data Center
151 Patton Ave.
Asheville, NC 28801-5001 USA

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1. **Abstract:** The 3341 data set represents the daily inventory for the Hourly Precipitation Data: Special ASOS Network, DSI-3241. Each inventory record contains the observing station state and station identification; year, month, day, and element of data inventoried; and, the Data Measurement Flag, the Quality Flag, and the number of times these two flags occur together as a pair for the given station state, station identifier, year, month, day, and element.

2. **Element Names and Definitions:**

State: (STATE) is a two-digit integer that uniquely specifies the state where the station is located. State ranges in value from 01 through 05, 07 through 18, 20 through 28, 30 through 33, 35 through 48, and 50.

STATE CODE TABLE

01	Alabama	26	Nevada
02	Arizona	27	New Hampshire
03	Arkansas	28	New Jersey
04	California		
05	Colorado	30	New York
		31	North Carolina
07	Delaware	32	North Dakota
08	Florida	33	Ohio
09	Georgia		
10	Idaho	35	Oregon
11	Illinois	36	Pennsylvania
12	Indiana	37	Rhode Island
13	Iowa	38	South Carolina
14	Kansas	39	South Dakota
15	Kentucky	40	Tennessee
16	Louisiana	41	Texas
17	Maine	42	Utah
18	Maryland	43	Vermont
		44	Virginia
20	Michigan	45	Washington
21	Minnesota	46	West Virginia
22	Mississippi	47	Wisconsin
23	Missouri	48	Wyoming
24	Montana		
25	Nebraska	50	Alaska

Station Identifier: (STNID) is a four-digit integer that uniquely specifies the station whose hourly precipitation data is inventoried. This station identifier is the COOP number and is assigned by NCDC. Station identifier ranges in value from 0016 through 9941.

Year: (YEAR) is a four-digit integer that specifies the year of hourly precipitation data inventoried. Year ranges in value from 1995 through 1998.

Month: (MONTH) a two-digit integer that specifies the month of hourly precipitation data inventoried. Month ranges in value from 01 to 12.

Day: (DAY) is a two-digit integer that specifies the day of hourly

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precipitation data inventoried. Day ranges in value from 01 to 31.

Element: (ELEM) is a 4-character alphanumeric string that specifies the meteorological element type of hourly precipitation data inventoried. Element has a value of "UNHP", Universal Hourly Precipitation Data.

Data Measurement Flag: (FLAG1) is a single character. Data measurement flag has the following range of values:

a   Begin accumulation period during the hour.

A   End accumulation period during the hour.

         NOTE: If this flag is used in conjunction with a Data Quality Flag (FLAG2) of "!", this flag represents a "ghost" data value that falls within the accumulation period.

[Begin missing period during the hour (inclusive).

]   End missing period during the hour (inclusive).

M   NOTE: This flag is used in conjunction with a Data Quality Flag (FLAG2) of "!" and represents a "ghost" data value that falls within the missing period.

T   "Trace" amount of precipitation.

b   (blank) No flag needed.

Data Quality Flag: (FLAG2) is a single character. Data quality flag has the following range of values:

!   Represents a "ghost" data value. When the flag is used in conjunction with a Data Measurement Flag (FLAG1) of "A", the "ghost" value falls within an accumulation period. When the flag is used in conjunction with a Data Measurement Flag (FLAG1) of "M", the "ghost" value falls within a missing period.

b   (blank) No flag needed.

Flag Pair Count: (FPCNT) is a three-digit integer that specifies the number of times that FLAG1 and FLAG2 occur together as a pair for the given state, station identifier, year, month, day, and element for the hourly precipitation data. Flag pair count ranges in value from 001 through 048.

3.   <u>**Start Date**</u>**:** 19950501

4.   <u>**Stop Date**</u>**:** 19980831

5.   <u>**Coverage**</u>**:**

a. Southernmost Latitude: 24N
b. Northernmost Latitude: 65N
c. Westernmost Longitude: 171W

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d. Easternmost Longitude: 68W

6.   **How to Order Data:**

      Ask NCDC's Climate Services about the cost of obtaining this data set.
      Phone: 828-271-4800
      FAX: 828-271-4876
      E-mail: **NCDC.Orders@noaa.gov**

7.   **Archiving Data Center:**

      National Climatic Data Center
      Federal Building
      151 Patton Avenue
      Asheville, NC 28801-5001
      Phone: (828) 271-4800.

8.   **Technical Contact:**

      National Climatic Data Center
      Federal Building
      151 Patton Avenue
      Asheville, NC 28801-5001
      Phone: (828) 271-4800.

9.   **Known Uncorrected Problems:** None.

10.   **Quality Statement**: No quality control is performed on the 3341 data set.

11.   **Essential Companion Datasets:**

      a. Hourly Precipitation Data: Special ASOS Network, DSI-3241
      b. Master Station History Report, TD-9767

12.   **References:** There are no references applicable to the 3341 data set at
this time.